

**IN THE DRAWINGS:**

Please amend Figs. 4A-4D to include the legend "Prior Art". A replacement sheet making the foregoing amendment to drawings 4A-4D is enclosed herewith.

## REMARKS

In response to the pending Office Action, Applicants have amended claims 4-6 so as to address the objections set forth in paragraph 5 of the Office Action. In addition, Figs. 4A-4D have been amended to include the legend "Prior Art". Replacement drawings are enclosed herewith.

With regard to the objection to the specification for lacking description of reference numeral 55 illustrated in Fig. 3, the Examiner's attention is respectfully directed to page 19, lines 4-6 of the specification, which discloses that reference numeral 55 is the bonding wire which allows the synchronous detector 66 to receive a signal from amplifier 41.

Finally, with regard to the request to amend Fig. 3 to include labels in the boxes and amend the title of the invention, as discussed during a telephone conference with the Examiner, as each of the boxes in Fig. 3 are labeled with a reference number and each reference number is disclosed in the specification, it is respectfully submitted that further amendment of Fig. 3 is not necessary. Also, as the title original title accurately identifies the subject matter of the present invention, it is also submitted that an amendment of the title is not necessary.

Applicants note with appreciation the indication of allowance of claims 1-7.

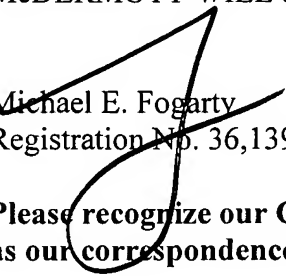
If there are any outstanding issues that might be resolved by an interview or an Examiner's amendment, the Examiner is requested to call Applicants' attorney at the telephone number shown below.

To the extent necessary, a petition for an extension of time under 37 C.F.R. 1.136 is hereby made. Please charge any shortage in fees due in connection with the filing of

this paper, including extension of time fees, to Deposit Account 500417 and please credit any excess fees to such deposit account.

Respectfully submitted,

McDERMOTT WILL & EMERY LLP

  
Michael E. Fogarty  
Registration No. 36,139

600 13<sup>th</sup> Street, N.W.  
Washington, DC 20005-3096  
Phone: 202.756.8000 MEF:  
Facsimile: 202.756.8087  
**Date: July 3, 2006**

**Please recognize our Customer No. 20277  
as our correspondence address.**

WDC99 1252693-1.043890.0744